

ABSTRACT OF THE DISCLOSURE

A method for surface modification of oxide ceramics including the alumina ceramics used as heat resistant parts, wear resistant parts, the semiconductor
5 fabricating parts, etc., and oxide ceramics produced by the method, in which the surface modification is carried out by permeating a glass into the surface of the oxide ceramics through heat treatment, so that the flexural strength, the heat resistance, and the wear resistance may be improved and the surface cracks may be cured. The surface modification method for oxide ceramics includes the step for carrying out heat treatment
10 for the oxide ceramics and the glass at 1000-1700°C for several seconds to several hours by using a heating element such as an electric heating furnace.

According to the surface modification method for the oxide ceramics, the strength, the heat resistance, and the wear resistance of the oxide ceramics may be improved by simple procedure at a low cost.